

DAFTAR PUSTAKA

1. Wang W, Poh CK. Titanium alloy in Orthopaedic. Titanium Alloys - Advances in Properties Control. 2013 : InTech
2. Botolin S, Merritt C, Erickson M. Aseptic loosening of pedicle screw as a result of metal wear debris in a pediatric patient. *SpineJournal*. 2012; 38(1):38-42
3. Eldin MMM, Ali AMA. Lumbar Transpedicular Implant Failure: A Clinical and Surgical Challenge and Its Radiological Assessment. *Asian Spine J*. 2014; 8(3): 281–297.
4. Apostu D, Lucacio O, Berce C, Lucacio D, Cosma. Current Methods of Preventing Aseptic Loosening and Improving Osseointegration of titanium implants in cementless total hip arthroplasty: a review. *Journal of International Medical Research*. 2018; 46(6): 2104-2119
5. Campbell AA. Bioceramics for Implant Coating. 2003: Elsevier
6. Sakti YM. Evaluasi Struktur dan Aplikasi pada Hewan Coba Graft Hydroxyapatite Berpori dari Limbah Cangkang Telur Sebagai Substitusi Tulang. Tesis Program Pendidikan Dokter Spesialis Orthopaedi dan Traumatologi Rumah Sakit Dr. Sardjito Fakultas Kedokteran Universitas Gadjah Mada. 2011
7. Anand R. Electrophoretic Deposition of Hydroxyapatite on Ti6Al4V. 2012
8. Nurlaela A. Penumbuhan Kristal Apatit dari Cangkang Telur Ayam dan Bebek pada Kitosan dengan Metode Presipitasi. Tesis Program Pendidikan Pascasarjana Magister Sains Program Studi Biofisika Institut Pertanian Bogor. 2009
9. Apilia L, Nuryadi R, Rianti W, Gustiono D, Herdianto N. Preparasi Lapisan Hidroksiapatit pada Substrat Stainless Steel 316 dengan Metode Deposisi Elektroforesis. *Jurnal Kimia dan Kemasan*. 2010; 32: 47-52
10. Moore WR, Graves S, Bain A. Synthetic Bone Graft Substitutes. *ANZ J. Surg*. 2001; 71: 354-361
11. Muhammad H. Evaluasi Pelapisan Chitosan pada Egg Shell Bone Graft (Porositas, Kekuatan Kompresi dan Efek Antibakteri). Tesis Program Pendidikan Dokter Spesialis Orthopaedi dan Traumatologi Rumah Sakit Dr. Sardjito Fakultas Kedokteran Universitas Gadjah Mada. 2014

12. Oldani C, Dominguez A. Titanium as a Biomaterial for Implant. Recent Advances in Arthroplasty. 2012 : InTech
13. Beän, R. & B. du Preez, W. Titanium-The Evulsive Metal. Material Science and Manufacturing. 2007
14. Viteri and Fuentes, Titanium and Titanium Alloys as Biomaterials. Tribology - Fundamentals and Advancements. 2013 : InTech
15. Alghamdi HS, van den Beucken JJJP, Jansen JA. Osteoporosis – Fracture Healing and Osseointegration. Drug Discovery Today: Disease Models. 2014;13:3-9
16. Mohseni E, Zalnezhad E, Bushroa AR. Comparative Investigation on the Adhesion of Hydroxyapatite Coating on Ti-6Al-4V implant : a Review Paper. 2014:48:238-257
17. Zuriadi MR, Fadli A, Amri A. Pelapisan permukaan stainless steel 316L menggunakan hidroksiapatit dengan metode deposisi elektroforesis. *JOM F Teknik* 2015;2(2):1-7.
18. Aminatun, Hydroxyapatite coating on cobalt alloys using electrophoretic deposition method for bone implant application. IOP Conf. Series: Journal of Physics: Conf. Series 853 (2017) 012025
19. Dell, RB. Holleran, S. Ramakrishnan, R. 2002. *Sample Size Determination*. Institute for Laboratory Animal Research Journal, Vol 43 no 4 (2002): 207-213
20. Shah, H. 2011. *How to Calculate the Sample Size for Animal Studies?*. National Journal of Physiology, Pharmacy and Pharmacology (2011)1:35-39
21. Dahlan, K. 2013. Potensi kerang rangga sebagai sumber kalsium dalam sintesis biomaterial subsitusi tulang. *International Journal Basic Applied Science* 12:01.
22. Albayrak O, El-Atwani, Altintas S. Hydroxyapatite coating on titanium substrate by electrophoretic deposition method: effect of titanium dioxide inner layer on adhesion strength and hydroxyapatite decomposition. *Surf. Coat. Technol.* 2008;202:2482-2487.
23. Erakovic S, Veljovic D, Diouf PN, Stevanovic T, Mitric M, Milonjic S, et al. Electrophoretic deposition of biocomposite lignin/hydroxyapatite coatings on titanium. *Int. J. Chem. Reactor Eng.* 2009;7:A62.

24. Zhang H, Krajewski J, Zhang Z, Masopust M, Xiao DT. Nano-hydroxyapatite coated femoral stem implant by electrophoretic deposition. *Mater. Res. Soc. Symp. Proc.* 2007;975:DD06-11.
25. Wang ZC, Ni YJ, Huang JC. Fabrication and characterization of HAp /Al₂O₃ composite coating on titanium substrate. *J. Biomed. Sci. Eng.* 2008;1:190-194.
26. Wei M, Ruys AJ, Milthorpe BK, Sorrell CC, Evans JH. Electrophoretic deposition of hydroxyapatite coatings on metal substrates: a nanoparticulate dual-coating approach. *J. Sol-Gel Sci. Technol.* 2001;21:39-48.
27. E. Mohseni, E. Zalnezhad, A.R. Bushroa. Comparative investigation on the adhesion of hydroxyapatite coating on Ti 6Al-4V implant: a review paper. *Int. J. Adhesion Adhesives* 2014;48:238-257.
28. Xuhui Z, Lingfang Y, Yu Z, Jinping X. Hydroxyapatite coatings on titanium prepared by electrodeposition in a modified simulated body fluid. *Chinese J. Chemical Engineering* 2009;17(4):667-671.
29. Eliaz N, Sridhar TM, Mudali UK, Raj B. Electrochemical and electrophoretic deposition of hydroxyapatite for orthopaedic applications. *Surface Engineering* 2005;21(3):1-5.
30. Zhitomirsky I, Gal-Or L. Electrophoretic deposition of hydroxyapatite. *J. Mater. Sci.: Mater. Med.* 1997;8:213-219.
31. Mondragón-Cortez P, Vargas-Gutiérrez G. Electrophoretic deposition of hydroxyapatite submicron particles at high voltages. *Mater. Lett.* 2004;58:1336-1339.
32. Meng X, Kwon TY, Yang Y, Ong JL, Kim KH. Effects of applied voltages on hydroxyapatite coating of titanium by electrophoretic deposition. *J. Biomed. Mater. Res. Part B: Appl. Biomater.* 2006;78B:373-377.
33. Juliadmi D, Fauzi VR, Gunawarman, Nur H, Idris MH. Hydroxyapatite coating on titanium alloy Ti-6Al-4V with electrophoretic deposition (EPD) for dental root application. *Int. J. Advanced Sci. Eng. Information Technol.* 2017;7(6):2152-2158.
34. Meng X, Kwon TY, Kim KH. Hydroxyapatite coating by electrophoretic deposition at dynamic voltage. *Dental Mater. J.* 2008;27(5):666-671.
35. Abdeltawab AA, Shoeib MA, Mohamed SG. Electrophoretic deposition of hydroxyapatite coatings on titanium from dimethylformamide suspensions. *Surf. Coat. Technol.* 2011;206:43-50.